

ERRATA TO PREVIOUS
DAYFLOW DATA SUMMARY REPORTS

The DAYFLOW Data Summary reports published through January 1985 have been updated and revised as needed. Revisions have been required when preliminary input data were revised by the source agencies, assumptions or estimates were changed (e.g., QMID assigned non-zero values), errors were discovered in the DAYFLOW program or input data deck, etc. These revisions are reported in this attachment.

Revisions Made in 1985

An incorrect FORTRAN read format statement was discovered that affected the accuracy of the Delta Cross Channel gate operation code for particular cases (see Attachment A, Methodology for DAYFLOW Data Summary Generation for details). This error resulted in incorrect values for parameters QXGEO and QWEST. The format statement in the DAYFLOW program was corrected, and correct values for water year 1983-84 were generated. Since the input data deck for water year 1982-83 was available, DAYFLOW data for this water year were revised. The DAYFLOW Data Summary for water years 1982-83 and 1983-84 were subsequently reported in an addendum to the June 1984 Data Summary in January 1985.

Remaining errors in QXGEO and QWEST were revised in February 1985. This involved: (1) regenerating the input data deck for Delta Cross Channel gate operations; (2) recalculating QXGEO and QWEST; and (3) storing the revised DAYFLOW data base.

A FORTRAN program named XCHNLOP (see listing in Appendix E) was developed to create a data deck for Delta Cross Channel gate operations. This output data deck was used to revise errors in the June 1984 DAYFLOW Data Summary. The input data to this program is the USBR gate operation schedule, namely, the date and time of gate setting change and the number of gates open after the setting change (i.e., 0, 1, or 2). The output data deck contains daily records (expressed as Julian days counted from January 1, 1900, as day one) indicating the fraction of the day when zero, one, or two gates were open. This output data deck of daily Delta Cross Channel gate settings is available upon request.

A second FORTRAN program named DFREVIZ (see listing in Attachment E) was developed to: (1) read the DAYFLOW data; (2) read the Delta Cross Channel gate operations generated using the program XCHNLOP (see above); (3) recalculate the daily, monthly total, and monthly average flows for Georgiana Slough and Delta Cross Channel (QXGEO, TXGEO, and AXGEO of the DAYFLOW program), and the corresponding flows past Jersey Point (QWEST, TWEST, and AWEST); and (4) write the revised DAYFLOW data to tape. These revisions are reported in the present DAYFLOW Data Summary and the STORET DAYFLOW data base.

Errors in Yolo Bypass flows for October and November 1983 reported in the DAYFLOW Data Summary Addendum (January 1985) were cited in the April 1985 DAYFLOW UPDATE newsletter. These flows were corrected in May 1985 on the STORET DAYFLOW data base and are presented in this report.

Errata Format

Previous and revised values for DAYFLOW parameters are presented in Table 10 for DAYFLOW Data Summaries distributed through January 1985. Only observations (rows) that required revision are reported, identified by the date parameters YEAR, MONTH, and DAY. Each column contains either the previous or revised value for a particular DAYFLOW parameter. If no correction was needed for a parameter in the observation, a period (.) is shown. DAYFLOW parameter definitions are presented in Table 1 of Attachment A. For table column headings (parameter names), the prefix P- is used to designate the previous (incorrect) value; the prefix Q- is used to designate the revised value. Small roundoff differences were not considered errors and are not reported.

